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APPLICATION NO	D.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/643,004		08/18/2003	George Powell	3271.2.15	2973	
21552	7590	10/05/2004		EXAM	EXAMINER	
	N & MET	<del></del>	LABAZE,	LABAZE, EDWYN		
GATEWA SUITE 90	AY TOWEI 0	R WEST	ART UNIT	PAPER NUMBER		
	SOUTH T		2876			
SALT LA	KE CITY,	UT 84101	DATE MAILED: 10/05/2004			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/643,004	POWELL ET AL.				
		Examiner	Art Unit				
		EDWYN LABAZE	2876				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)🛛	Responsive to communication(s) filed on 18 A	August 2003.					
·		s action is non-final.					
-	,—						
Disposition	on of Claims						
5)□ ( 6)⊠ ( 7)□ (	4)  Claim(s) 1-21 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed.  6) □ Claim(s) 1-21 is/are rejected.  7) □ Claim(s) is/are objected to.  8) □ Claim(s) are subject to restriction and/or election requirement.						
Application	on Papers		-				
9)□ 1	The specification is objected to by the Examin	er.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	nder 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment	(s) e of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO.413)				
2) Notice 3) Inform	e of References Cited (PTO-992) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 · No(s)/Mail Date <u>8182003</u> .	Paper No(s)/Mail Da					

1. Receipt is acknowledged of IDS filed on 8/18/2003.

2. Claims 1-21 are presented for examination.

3. This application claims the benefits of provisional application No. 60/404,796 filed on

8/19/2002.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on

sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Olmstead et al.

(U.S. 6,073,851).

Re claims 1, 8, 15, and 19: Olmstead et al. discloses multi-focus optical reader with

masked or apodized lens, which includes an image sensor [herein described as CCD arrays or

detector 104 (col.6, lines 55+); a first lens 1102 for focusing light reflected from a graphical

code 1105 [herein a graphical code could be in the form of a bar code, data matrix code,

Maxicode, and as shown in fig. # 53] to form a first image on a first region 1215 of the image

sensor 104, wherein the first lens is separated from the first region of the image sensor by a first

distance O1 (col.11, lines 3-15); a second lens 1104 for focusing light reflected from the

graphical code 1105 to form a second image on a second region of the image sensor, wherein the

second lens 1104 is separated from the second region 1216 of the image sensor by a second

distance, and wherein the first distance [Olmstead et al. discloses that the focal length of the first

lens will be longer than that of the second lens] is greater than the second distance (col.21, lines 25-54); and a decoder 107 for processing image data to obtain information contained in the graphical code 1105 (col.6, lines 65+; col.43, lines 55+). Olmstead et al. further includes a second image sensor 1120 (as shown in fig. # 60E; col.34, lines 37-55). Olmstead further teaches a first magnification and a second magnification and wherein the second magnification power [also known as the object-to-image distance ratio] oriented by the second lens 1104 is lower than the first magnification power (col.21, lines 32-35). Olmstead also discloses three different fields of view 1151, 1152, 1153 [as shown in fig. # 56A], wherein the first field of view is narrower/smaller the second one [and wherein each field of view progressively narrowing from one zone with a shortest focal distance to a zone with a longest focal distance] (col.32, lines 1+).

Re claims 2, 9, 16, and 20: Olmstead et al. teaches an apparatus and method, wherein the first lens 1102 is substantially identical to the second lens 1104 (herein both discloses as aspheric cylinder lens col.21, lines 27-37).

Re claims 3, 10, and 21: Olmstead et al. discloses an apparatus and method, wherein the first lens and second lens are fixed [as shown in figs. # 42] in position (col.31, lines 5-67).

Re claims 4, 11, and 16: Olmstead et al. teaches an apparatus and method, wherein the image data corresponds to either the first image or the second image (col.44, lines 27-67).

Re claims 5 and 12: Olmstead et al. discloses an apparatus and method, wherein the image data corresponds to both the first and second image, and wherein the decoder 1707 is configured to detect suppress redundant image data (col.44, lines 44-63).

Re claims 6 and 13: Olmstead et al. teaches an apparatus and method, wherein a first area between the first lens and the first region of the image sensor defines a first optical path, wherein

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a second area between the second lens and the second region of the image sensor defines a

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second optical path, and further comprising at least one baffle [herein described as a mask 1091

for preventing spilling rays from one imaging sensor/detector to another one, i.e. preventing light

collision] for preventing light in the first optical path from entering the second optical path and

for preventing light in the second optical path from entering the first optical path (as shown in

figs. # 52; col.20, lines 38-67).

Re claims 7 and 14: Olmstead et al. discloses an apparatus and method, further

comprising a third lens 1155c for focusing light reflected from the graphical code to form a third

image on a third region of the image sensor, wherein the third lens is separated from the third

region of the image sensor by a third distance, and wherein the third distance is greater than the

second distance but less than the first distance (as shown in fig. # 56b; col.32, lines 1-27).

Re claim 18: Olmstead et al. teaches an apparatus and method, wherein the first region

1215 and the second region 1216 correspond to distinct partitions of the image sensors 1217 and

1218 (as shown in figs. # 60; col.34, lines 30-50).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Lipton et al. (U.S. 5,063,441) discloses stereoscopic video having cameras with image

sensors variable effective position.

Correa et al. (U.S. 6,340,114) teaches imaging engine and method for code readers.

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McQueen (U.S. 6,621,063) discloses omni-directional optical code reader using

Scheimpflug optics.

Bremer (U.S. 6,689,998) teaches apparatus for optical distancing autofocus and imaging

and method of using the same.

Baker (US 2004/0027451) discloses immersive imaging system.

Kogan et al. (US 2004/0159703) teaches interface for interfacing an image engine to an

optical code reader.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to EDWYN LABAZE whose telephone number is (571) 272-2395.

The examiner can normally be reached on 7:30 AM - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Michael G. Lee can be reached on (571) 272-2398. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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Edwyn Labaze

Patent Examiner

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September 28, 2004

KARL D. FRECH PRIMARY EXAMINER

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